A8520-5

The Society of the
Plastics Industry, Inc.

Monthly Statistical Report - Resins

SPI

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

SEPTEMBER 30, 1989

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

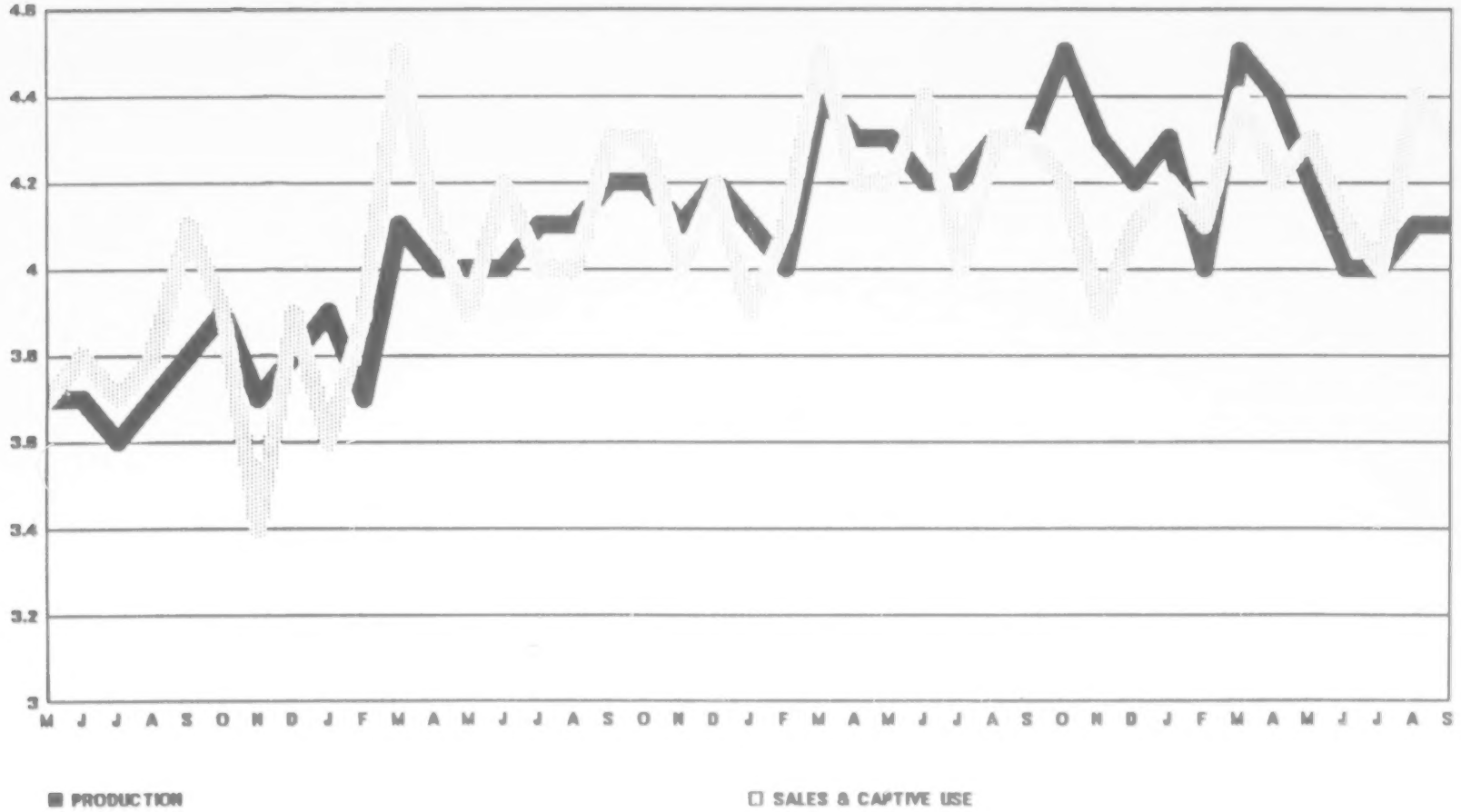
Release Date: DECEMBER 5, 1989

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

SEPTEMBER 1989



THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Thousands of pounds, dry weight basis)(1)

CRS

SEPTEMBER 1989

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
EPOXY RESIN, TOTAL	37,089	40,661	-8.8	370,922	354,394	4.7	35,467	41,548	-14.6	394,589	356,998	10.5
POLYESTER (UNSATURATED) RESINS, TOTAL	101,167	111,814	-9.6	1,010,623	1,072,675	-5.8	105,389	112,861	-6.6	1,024,804	1,080,647	-5.1
UREA RESINS, TOTAL	132,904	130,078	2.2	1,074,953	996,413	7.9	134,181	130,748	2.6	1,081,268 R	1,069,785	1.1
MELAMINE RESINS, TOTAL	19,007	16,498	15.2	169,960	149,909	13.4	18,953	16,897	12.2	175,611	152,467	15.2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	228,053	288,423	-20.9	2,036,893	2,281,635	-10.7	228,772	288,129	-20.6	2,149,223	2,282,252	-5.8
THERMOSETTING RESINS, TOTAL	519,060	587,474	-11.6	4,663,351	4,855,026	-3.9	522,762	590,167	-11.4	4,825,495 R	4,941,549	-2.3
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	931,526	848,183	N/C	7,830,792	7,603,303	N/C	843,497	836,360	0.9	7,247,515	7,641,245	-5.2
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	723,680	663,753	9.0	6,076,013	6,201,535	-2.0	652,810	636,826	2.5	6,146,547	6,255,706	-1.7
POLYPROPYLENE, TOTAL	592,698	604,623	-2.0	5,411,822	5,395,848	0.3	570,325	638,635	-10.7	5,542,554	5,447,356	1.7
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	96,508	116,280	-17.0	929,943	958,008	-2.9	85,443	115,695	-26.1	909,840	946,434	3.6
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	8,408	13,974	-39.8	96,758	109,935	-12.0	6,742	14,137	-52.3	88,720	109,824	-19.2
POLYSTYRENE RESINS, TOTAL	416,939	435,184	-4.2	3,900,904 R	3,848,247	1.4	400,894	428,926	-6.5	3,933,946 R	3,891,212	1.1
STYRENE BASED LATEXES, TOTAL ***	88,549	86,256	2.7	778,350	756,048	3.0	84,857	84,819	0.2	727,443	721,196	0.9
OTHER STYRENICS, TOTAL (40% or More Styrene)	12,718	14,522	-12.4	115,984	136,408	-15.0	10,650	14,640	-27.3	108,908	138,438	-21.3
NYLON RESINS (6)	44,441	46,988	-5.4	437,670	425,748	2.8	40,868	44,729	-8.6	428,815	409,897	4.6
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	728,374	721,530	0.9	6,344,617 R	6,257,138	1.4	735,129	727,112	1.1	6,406,426	6,218,263	3.0
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	15,210	17,099	-11.0	149,155	156,259	-4.5	16,472	14,598	12.8	167,214	162,461	2.9
THERMOPLASTIC POLYESTER, TOTAL (6)	136,179	158,512	-14.1	1,271,478	1,251,084	1.6	130,983	149,617	-12.5	1,209,606	1,224,244	-1.2
THERMOPLASTIC RESINS, TOTAL	3,795,230	3,726,904	1.8	33,343,486 R	33,099,643	0.7	3,578,482	3,706,030	-3.4	33,007,534 R	33,166,276	-0.5
GRAND TOTAL	4,314,290	4,314,378	0.0	38,006,837 R	37,954,669	0.1	4,101,244	4,296,197	-4.5	37,833,029 R	38,107,825	-0.7

(1) = Except phenolic resins which are reported on a gross weight basis.
*** = Sales and Captive Use figures include some Canadian produced materials.
(2) = The publishing of PVAC has been suspended.
(3) = The publishing of PVOH data has been suspended.
(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.
(6) = Data includes Sales from Imports.

D = Disclosure.
R = Revision.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)
Copyright 1989 The Society of the Plastics Industry, Inc.

SECTION I - THERMOSETTING RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

CRS

SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
EPOXY RESIN, TOTAL	37,989	40,661	-6.6	370,922	354,394	4.7	35,467	41,540	-14.6	394,589	356,998	10.5
Total Exports	5,578	8,052	-30.7	67,523	69,288	-2.5						
Captive Use, Total	1,696	1,492	13.7	13,553	11,062	22.5						
Domestic Sales, Total	30,715	31,117	-1.3	289,846	274,044	5.8						
Domestic Sales & Capt've Use, Total	32,411	32,609	-0.6	303,399	285,106	6.4						
Bonding & Adhesives	1,937	2,266	-14.5	18,958	17,210	10.2						
Flooring, Paving & Exposed Aggregate	2,202	2,743	-19.7	18,657	19,639	-5.0						
Protective Coatings	16,026	15,022	6.7	147,874	135,862	8.8						
Fiber Reinforced Lam. & Comp., Total	6,331	6,653	-4.8	64,650	62,970	2.7						
FRL&C for Printed Wiring Board	4,095	4,610	-11.2	44,622	43,184	3.3						
All Other FRL&C	2,236	2,043	9.4	20,028	19,786	1.2						
Tooling, Casting & Molding Resins	2,552	2,301	10.9	23,236	19,888	16.8						
All Other Uses	3,363	3,624	-7.2	30,024	29,537	1.6						
POLYESTER (UNSATURATED) RESINS, TOTAL	101,107	111,814	-9.6	1,010,623	1,072,675	-5.8	105,389	112,861	-6.6	1,024,804	1,080,047	-5.1
Total Exports	1,706	1,414	20.7	19,407	11,281	72.0						
Total Domestic	99,401	110,400	-10.0	991,216	1,061,394	-6.6						
General Purpose Resins, Total	86,403	95,238	-9.3	855,627	923,885	-7.4						
General Purpose - Thixotropic	37,436	42,439	-11.8	380,149	429,536	-11.5						
General Purpose - Press Molding	10,337	10,436	-0.9	98,449	99,433	-1.0						
General Purpose - All Other	38,630	42,363	-8.8	377,029	394,916	-4.5						
Flame Retardant Resins	1,977	1,976	0.1	17,947	21,591	-16.9						
Chemical Resistant Resins	11,021	13,186	-16.4	117,642	115,918	1.5						
Chemical Resistant Isophthalic Resins	7,866	9,790	-19.7	88,815	84,222	5.5						
All Other Chemical Resistant Resins	3,155	3,396	-7.1	28,827	31,696	-9.1						
Reinforced Plastics, Total	72,562	83,848	-13.5	737,359	810,165	-9.0						
Non-Reinforced Plastics, Total	26,839	26,552	1.1	253,857	251,229	1.0						

R = REVISION

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

SECTION 1 - THERMOSETTING RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In Thousands of Pounds, Dry Weight Basis)(1)

CRS
SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
UREA RESINS, TOTAL	132,904	130,078	2.2	1,074,953	996,413	7.9	134,181	130,740	2.6	1,081,268 R	1,069,785	1.1
MELAMINE RESINS, TOTAL	19,007	16,498	15.2	169,960	149,909	13.4	18,953	16,897	12.2	175,611	152,467	15.2
UREA & MELAMINE RESINS, TOTAL	151,911	146,576	3.6	1,244,913	1,146,322	8.6	153,164	147,637	3.7	1,256,879 R	1,222,252	2.8
Total Exports	D1	D1		D1	D1							
Total Domestic	151,911	146,576	3.6	1,244,913	1,146,322	8.6						
Textile Treating & Coating Resins	2,127	1,814	17.3	20,212	19,000	6.4	3,527	2,450	44.0	25,637 R	23,431	9.4
Paper Treating & Coating Resins	7,020	5,010	40.1	44,718	40,396	10.7	6,565	5,409	21.4	45,437 R	42,751	6.3
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:	119,804	120,596	-0.7	1,001,360	920,658	8.8	119,308	121,149	-1.5	995,623 R	918,921	8.3
Laminating	5,580	3,331	67.5	58,969	30,209	95.2	4,860	3,526	37.8	50,382	29,383	71.5
Plywood	5,860	4,898	19.6	51,651	38,159	35.4	6,320	5,008	26.2	53,270 R	40,047	33.0
Fibrous & Granulated Wood (Particle Board)	108,364	112,367	-3.6	890,740	852,290	4.5	108,128	112,615	-4.0	891,971 R	912,491	-2.2
Protective Coatings (Straight & Modified)	8,739	9,061	-3.6	82,806	82,695	0.1	10,865	10,263	5.9	103,845	95,472	8.8
All Other Uses	14,221	10,095	40.9	95,817	83,573	14.7	12,869	8,366	53.8	86,337 R	78,677	9.7
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	228,053	288,423	-20.9	2,036,893	2,281,635	-10.7	228,772	288,129	-20.6	2,149,223	2,282,252	-5.8
Total Exports	1,352	1,671	-19.1	13,447	16,859	-20.2						
Total Domestic	226,701	286,752	-20.9	2,023,446	2,264,776	-10.7						
Molding Compounds	14,679	15,533	-5.5	135,316	143,003	-5.4	16,224	16,598	-2.3	144,865	153,049	-5.3
Bonding & Adhesive Resins for:	208,290	261,318	-20.3	1,856,886	2,043,899	-9.1	209,135	261,009	-19.9	1,970,747	2,050,384	-3.9
Laminating	16,149	20,909	-22.8	164,594	159,614	3.1	16,416	21,025	-21.9	163,702	160,366	2.1
Coated & Bonded Abrasives	1,486	1,908	-22.1	19,296	16,791	14.9	1,486	1,924	-22.8	20,152	16,891	19.3
Friction Materials	2,161	3,152	-31.4	28,893	28,183	2.5	2,031	3,250	-37.5	27,608	28,413	-2.8
Insulation Materials	31,783	48,865	-35.0	317,058	361,349	-12.3	31,752	48,900	-35.1	315,166	362,290	-13.0
Foundry & Shell Molding	7,021	5,113	37.3	38,004	39,448	-3.7	6,977	5,035	38.6	36,524	39,610	-7.8
Plywood	119,706	150,784	-20.6	989,699	1,184,847	-16.5	120,353	150,217	-19.9	1,058,084	1,185,114	-10.7
Fibrous & Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	927	1,613	-42.5	11,032	14,525	-24.0	1,256	1,783	-29.6	11,533	18,297	-37.0
All Other	29,057	28,974	0.3	288,310	239,142	20.6	28,864	28,875	0.0	337,978	239,403	41.2
Protective Coatings - Unmodified & Modified	1,061	1,815	-41.5	9,943	16,008	-37.9	1,073	1,816	-40.9	9,636	16,025	-39.9
Resins Sold to Rubber Ind., Non-Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	2,671	8,086	-67.0	21,301	61,866	-65.6	2,340	8,706	-73.1	23,975	62,794	-61.8

D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Except phenolic resins which are reported on a gross weight basis.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION AND IMPORTS					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	931,526	848,183	N/C	7,830,792	7,603,303	N/C	905,781	N/A		7,786,353	N/A	
Total Imports							62,284	N/A		538,838	N/A	
Total Exports	98,161	68,307	43.7	776,933	720,932	7.8						
Total Domestic	833,365	779,876	N/C	7,053,859	6,882,371	N/C	843,497	836,300	0.9	7,247,515	7,641,245	-5.2
Film (12 Mils & Below)	503,673	481,843	N/C	4,168,053	4,133,402	N/C						
Packaging Film	294,246	N/A		2,439,623	N/A							
Food Packaging Film	111,097	N/A		928,057	N/A							
Non-Food Packaging Film	141,651	N/A		1,167,938	N/A							
Shrink Film	12,731	N/A		105,594	N/A							
Stretch Film	28,767	N/A		238,034	N/A							
Non-Packaging Film	209,427	N/A		1,728,430	N/A							
Carry-Out Bags	29,802	N/A		270,583	N/A							
Trash and Can Liners	110,656	N/A		880,334	N/A							
Other Non-Packaging Film	68,969	N/A		577,513	N/A							
Sheet (Over 12 Mils)	7,218	D4		89,726	D4							
Injection Molding	77,670	67,243	N/C	637,192	548,532	N/C						
Injection Molded Lids	20,847	N/A		178,818	N/A							
Injection Molded Housewares	19,118	N/A		148,026	N/A							
Other Injection Molding	37,705	N/A		310,348	N/A							
Wire & Cable	29,353	31,468	N/C	287,594	285,342	N/C						
Extrusion Coating	60,682	67,399	N/C	526,476	571,525	N/C						
Blow Molding	6,510	7,310	N/C	67,238	56,244	N/C						
Pipe & Conduit, Total	3,604	2,837	N/C	50,429	44,296	N/C						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	7,664	16,863	N/C	77,945	141,781	N/C						
Rotomolding	21,572	N/A		166,193	N/A							
Resellers & Compounders, Total	51,431	43,230	N/C	518,344	440,009	N/C						
Resellers	37,413	N/A		381,038	N/A							
Compounders	14,018	N/A		137,306	N/A							
Adhesives and Sealants	8,331	N/A		86,277	N/A							
All Other Uses	55,657	61,683	N/C	378,393	661,240	N/C						

D4 = Disclosure: Included in Film.

(6) = 1989 Data Includes Sales from Imports.

N/A = Data not available.
N/C = Data not comparable.
D = Disclosure.
R = REVISION

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	723,680	663,753	9.0	6,076,013	6,201,535	-2.0	652,810	636,826	2.5	6,146,547	6,255,706	-1.7
Total Exports	113,794	49,912	128.0	679,591	522,244	30.1						
Total Domestic	609,886	613,841	-0.6	5,396,422	5,679,291	-5.0						
Film (12 Mils & Below)	65,333	62,713	4.2	542,145	553,009	-2.0						
Packaging Film	17,792	N/A		153,510	N/A							
Food Packaging Film	13,388	N/A		113,065	N/A							
Non-Food Packaging Film	4,404	N/A		40,445	N/A							
Non-Packaging Film	47,541	N/A		388,635	N/A							
Carry-Out Bags	23,434	N/A		192,108	N/A							
Trash and Can Liners	D9	N/A		D9	N/A							
Other Non-Packaging Film	24,107	N/A		196,527	N/A							
Sheet (Over 12 Mils)	27,329	20,360	34.2	236,627	204,481	15.7						
Injection Molding	116,376	136,247	-14.6	1,045,236	1,285,090	-18.7						
Injection Molded Industrial Parts	39,156	N/A		327,454	N/A							
Injection Molded Housewares	13,170	N/A		117,701	N/A							
Injection Molded Food Tubs and Containers	19,235	N/A		171,411	N/A							
Crates & Totes	15,059	N/A		117,842	N/A							
Other Injection Molding	29,756	N/A		310,828	N/A							
Wire & Cable	10,853	12,076	-10.1	109,713	94,952	15.5						
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	236,842	247,722	-4.4	2,167,496	2,307,612	-6.1						
Motor Oil Bottles	18,871	N/A		169,184	N/A							
Liquid Food Bottles	72,434	N/A		667,784	N/A							
Household Chemical Bottles	74,951	N/A		668,158	N/A							
Large Containers	20,296	N/A		204,727	N/A							
Other Blow Molding	50,290	N/A		457,643	N/A							
Pipe & Conduit, Total	41,600	48,808	-14.8	369,721	416,984	-11.3						
Corrugated Pipe & Conduit	8,143	9,280	-12.3	69,559	93,373	-25.5						
Non-Corrugated Pipe & Conduit	33,457	39,528	-15.4	300,162	323,611	-7.2						
Other Extruded Products	3,435	5,172	-33.6	49,875	71,537	-30.3						
Rotomolding	5,625	N/A		51,566	N/A							
Resellers & Compounders, Total	73,433	53,926	36.2	567,576	482,199	17.7						
Resellers	63,508	N/A		491,370	N/A							
Compounders	9,925	N/A		76,206	N/A							
All Other Uses	29,060	26,817	8.4	256,467	263,427	-2.6						

= Disclosure: Included in Other Extruded Products.
Disclosure: Included in Other Non-Packaging Film.

N/A = Not Available.
R = REVISION

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

SECTION I - THERMOPLASTIC RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

CRS

SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
POLYPROPYLENE, TOTAL	592,698	604,623	-2.0	5,411,822	5,395,848	0.3	570,325	638,633	-10.7	5,542,554	5,447,356	1.7
Total Exports	66,657	109,318	-39.0	807,455 R	933,400	-13.5						
Total Domestic	526,041	495,305	6.2	4,604,367 R	4,462,448	3.2						
Injection Molding	149,840	151,630	-1.2	1,362,948	1,292,470	5.5						
Appliances	15,101	14,548	3.8	122,858	111,259	10.4						
Consumer Products	46,973	39,931	17.6	417,769	314,871	32.7						
Rigid Packaging	47,648	51,318	-7.2	475,492	470,286	1.1						
Transportation	23,128	27,558	-16.1	213,289	228,368	-6.6						
All Other Injection Molding	16,990	18,275	-7.0	133,540	167,686	-20.4						
Blow Molding	11,312	12,984	-12.9	94,551	101,496	-6.8						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below)	46,566	47,911	-2.8	439,019	440,093	-0.2						
Oriented Film	37,727	N/A		336,647	N/A							
Non-Oriented Film	8,839	N/A		102,372	N/A							
Sheet (Over 10 Mils)	10,178	10,682	-4.7	96,564	92,971	3.9						
Extrusion Coating	D5	D		D5	D							
Wire & Cable	D5	D		D5	D							
Fiber & Filaments	173,729	152,995	13.6	1,505,047 R	1,394,512	7.9						
Textile Applications, Total	163,878	144,812	13.2	1,428,493 R	1,315,478	8.6						
Nonwovens	46,253	N/A		390,378 R	N/A							
Monofilaments and Multifilament Fibers	51,408	N/A		609,853	N/A							
Slit Film Fibers	66,217	N/A		428,262	N/A							
Non-Textile Monofilaments	9,851	8,183	20.4	76,554 R	79,034	-3.1						
Pipe & Conduit	D5	D5		D5	D5							
Other Extruded Products	7,894	7,526	4.9	72,259	77,178	-6.4						
Resellers, Distributors, & Compounders, Total	120,688	105,183	14.7	978,945	1,007,454	-2.8						
Resellers & Distributors	74,843	77,471	-3.4	666,039	740,671	-10.1						
Compounders	45,845	27,712	65.4	312,906	266,783	17.3						
All Other Uses	5,834	6,394	-8.8	55,034	56,896	-3.3						

D5 = Disclosure: Included in Other Extruded Products.
N/A = Data not available.
D = Disclosure

D = Disclosure.
R = Revision.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS(CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
POLYSTYRENE RESINS, TOTAL	416,939	435,184	-4.2	3,900,904 R	3,848,247	1.4	400,894	428,926	-6.5	3,933,946 R	3,891,212	1.1
Straight Polystyrene	225,166	231,281	-2.6	2,106,812 R	2,049,923	2.8	227,661	225,702	0.9	2,123,991 R	2,027,986	4.7
Rubber-Modified Polystyrene	191,773	203,903	-5.9	1,794,092	1,798,324	-0.2	173,233	203,224	-14.8	1,809,955	1,863,226	-2.9
Exports Total	19,834	16,551	19.8	159,189 R	125,984	26.4						
Straight Polystyrene	10,629	10,103	5.2	87,292 R	92,429	-5.6						
Rubber-Modified Polystyrene	9,205	6,448	42.8	71,897	33,555	114.3						
Domestic Total	397,105	418,633	-5.1	3,741,715 R	3,722,263	0.5						
Molding	160,159	160,164	0.0	1,426,921 R	1,421,620	0.4						
Extrusion	174,538	177,957	-1.9	1,680,248	1,685,376	-0.3						
Expandable Polystyrene Beads	50,243	60,268	-16.6	510,211 R	422,238	20.8						
Block	22,248	31,544	-29.5	196,807 R	204,304	-3.7						
Shape	12,147	12,334	-1.5	110,066 R	104,454	5.4						
Loose Fill	D6	D6		D6	D6							
Other EPS	15,848	16,390	-3.3	203,338 R	113,480	79.2						
All Other Uses	12,165	20,244	-39.9	124,335	193,029	-35.6						
Polystyrene End Uses Total	397,105	418,633	-5.1	3,741,715 R	3,722,263	0.5						
Packaging	50,854	80,625	-36.9	603,638 R	772,516	-21.9						
Disposable Food Serviceware	81,849	76,573	6.9	744,617 R	708,437	5.1						
Consumer and Inst. Products	40,592	62,762	-35.3	480,475 R	581,100	-17.3						
Electrical/Electronics	50,838	48,947	3.9	451,392	422,638	6.8						
Furniture, Furn., Bulding & Const.	20,807	26,843	-22.5	227,932 R	221,507	2.9						
Expandable Polystyrene Beads	50,243	60,268	-16.6	510,728 R	422,238	21.0						
Resellers and Compounders	45,216	39,820	13.6	385,376 R	390,656	-1.4						
All Other End Uses	56,706	22,795	148.8	337,557	203,171	66.1						

D6 = Disclosure: Included in Other EPS.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION AND IMPORTS					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL	96,508	116,280	-17.0	929,943	958,098	-2.9	85,463	115,693	-26.1	999,840	948,434	5.6
SAN (STYRENE-ACRYLONITRILE-BUTADIENE), TOTAL	8,408	13,974	-39.8	96,758	109,824	-11.9	6,742	14,137	-52.3	88,720	109,824	-19.2
Total Exports	3,334	6,705	-50.3	26,769	40,869	-34.5						
Total Domestic	5,074	7,269	-30.2	69,989	69,066	1.3						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	12,718	14,522	-12.4	115,984	136,408	-15.0	10,650	14,640	-27.3	108,908	138,438	-21.3
ABS, SAN, & OTHER STYRENICS, TOTAL	117,634	144,776	-18.8	1,142,685	1,204,441	-5.1	102,855	144,470	-28.8	1,197,468	1,194,696	0.2
Total Exports	N.R.1	N.R.1		N.R.1	N.R.1							
Total Domestic	117,634	144,776	-18.8	1,142,685	1,204,441	-5.1						
Electrical/Electronic	N.R.2	N.R.2		N.R.2	N.R.2							
Building and Construction	9,279	12,278	-24.4	105,739	107,066	-1.2						
Transportation	34,488	30,201	14.2	279,823	262,189	6.7						
Consumer/Institutional	N.R.2	N.R.2		N.R.2	N.R.2							
All Other	73,867	102,297	-27.8	757,123	835,186	-9.3						
STYRENE BASED LATEXES, TOTAL ***	88,549	86,256	2.7	778,350	756,040	3.0	84,657	84,819	-0.2	727,443	721,196	0.9
Paper Treating	2,384	2,572	-7.3	21,547	23,289	-7.5						
Textile Treating	960	910	5.5	8,343	8,820	-5.4						
Carpet Backing	31,008	34,157	-9.2	287,357	289,450	-0.7						
All Other Uses (Incl. Exports & Paper Coating)	54,197	48,617	11.5	461,103	434,481	6.1						
NYLON RESINS, TOTAL (6)	44,441	46,988	-5.4	437,670	425,748	2.8	N/A	N/A		N/A	N/A	
Total Imports							N/A	N/A		N/A	N/A	
Total Exports	5,750	5,732	0.3	57,995	57,898	0.2						
Total Domestic	38,691	41,256	-6.2	379,675	367,850	3.2	40,860	44,729	-8.6	428,815	409,897	4.6
Injection Molding Grade	24,420	24,038	1.6	227,564	217,007	4.9						
Extrusion Grade	10,941	12,823	-14.7	111,718	111,749	0.0						
Resellers and Compounders	2,543	3,275	-22.4	28,965	27,273	6.2						
All Other Uses	787	1,120	-29.7	11,428	11,821	-3.3						

N.R.1 = Not Reported: Included in Total Domestic and in All Other.
N.R.2 = Not Reported: Included in All Other.
*** = Styrene Based Latexes sales include some Canadian produced material.
(6) = Includes Sales from Imports.

N/A = Not Available.
R = Revision.

Compiled by ERNST & YOUNG Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

CRS

SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin Content)	728,374	721,530	0.9	6,344,617 R	6,257,138	1.4	735,129	727,112	1.1	6,406,426	6,218,263	3.0
Homopolymer Resins Including Blending & Latex	660,751	659,903	0.1	5,801,260 R	5,742,638	1.0	675,817	667,096	1.3	5,870,250	5,711,221	2.8
Copolymer Resins Including Blending & Latex	20,272	20,406	-0.7	165,468	159,253	3.9	14,183	17,889	-20.7	156,485	158,549	-1.3
Dispersion	47,351	41,221	14.9	377,889	355,247	6.4	45,129	42,127	7.1	379,691	348,493	9.0
Total Exports	86,695	49,588	74.8	582,788 R	370,373	57.4						
Total Domestic	641,679	671,942	-4.5	5,761,829 R	5,886,765	-2.1						
Calendering, Total	85,216	76,020	12.1	688,558 R	638,196	7.9						
Flooring	20,501	20,903	-1.9	161,808	152,861	5.9						
Textile	11,260	12,758	-11.7	91,755	98,336	-6.7						
All Other Calendering Uses	53,455	42,359	26.2	434,995 R	386,999	12.4						
Coating, Total	30,163	31,603	-4.6	273,111	275,793	-1.0						
Flooring	13,116	12,807	2.4	114,504	114,638	-0.1						
Textile & Paper Coating	8,106	9,512	-14.8	79,782	80,161	-0.5						
Protective Coating	4,205	4,774	-11.9	38,705	42,128	-8.1						
Adhesives & All Other Coating Uses	4,736	4,510	5.0	40,120	38,866	3.2						
Extrusion, Total	426,319	456,760	-6.7	3,876,770 R	3,989,085	-2.8						
Wire & Cable	40,304	38,003	6.1	297,039	322,664	-7.9						
Film & Sheet, Packaging	45,105	28,538	58.1	261,316	251,596	3.9						
Film & Sheet, Non-Packaging	4,461	3,038	46.8	40,142	32,609	23.1						
Siding & Access., & Mobile Home Skirts	60,592	66,958	-9.5	575,235	537,363	7.0						
Rigid Pipe & Tubing (Except Fittings)	225,502	274,109	-17.7	2,286,230 R	2,451,635	-6.7						
All Other Extrusions	50,355	46,114	9.2	416,808	393,218	6.0						
Molding, Total	42,167	41,034	2.8	393,362	416,305	-5.5						
Bottles	17,491	12,079	44.8	161,854	158,962	1.8						
Fittings (Rigid Pipe & Tubing)	12,512	16,806	-25.6	115,563	129,538	-10.8						
All Other Molding	12,164	12,149	0.1	115,945	127,805	-9.3						
Paste Processes (Except Coating)	14,171	13,579	4.4	132,654	124,334	6.7						
Plastisol Formulation	8,208	7,318	12.2	71,544	64,086	11.6						
All Other	5,963	6,261	-4.8	61,110	60,248	1.4						
Resellers and Compounders	24,595	39,735	-38.1	238,694	284,919	-16.2						
All Other Uses	19,048	13,211	44.2	158,680	158,133	0.3						

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

R = REVISION

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

CRS

SEPTEMBER 1989

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	SEPTEMBER			YEAR-TO-DATE			SEPTEMBER			YEAR-TO-DATE		
	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG	1989	1988	% CHG
VINYL ACETATE MONOMER (2) FOR POLYVINYL ACETATE, TOTAL												
Total Exports												
Total Domestic												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
Total Exports	D	D		D	D							
Total Domestic	D	D		D	D							
OTHER VINYL RESINS, TOTAL (4)	15,210	17,099	-11.0	149,155	156,259	-4.5	16,472	14,558	13.8	167,314	162,461	2.9
Total Exports	6,208	4,280	45.0	52,686	49,657	6.1						
Total Domestic	9,002	12,819	-29.8	96,469	106,602	-9.5						
THERMOPLASTIC POLYESTER, TOTAL (6)	136,179	158,512	-14.1	1,271,478	1,251,084	1.6	130,983	149,617	12.5	1,209,606	1,224,244	-1.2
Total Exports	21,904	16,299	34.4	224,578	178,616	25.7						
Total Domestic	114,275	142,213	-19.6	1,046,900	1,072,468	-2.4						
PET Bottle Grades	74,885	96,288	-22.2	701,910	722,779	-2.9						
All Other Thermoplastic Polyester (5)	39,390	45,925	-14.2	344,990	349,689	-1.3						

(2) = The publishing of PVAC data has been suspended.
(3) = The publishing of PVOH data has been suspended.
(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.
(5) = Includes all other PET and all injection molding grades.
(6) = 1989 Data Includes Sales from Imports.

D = Disclosure.
N/A = Not Available.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

A6720-5

The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

SEPTEMBER 30, 1989

APPARENT CONSUMPTION REPORT OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: DECEMBER 22, 1989

SPI

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Millions of pounds, dry weight basis)(1)

CRS

SEPTEMBER 1989

RESIN KIND	SEPTEMBER				YEAR-TO-DATE				
	PRODUCTION	IMPORTS	EXPORTS*	APPARENT CONSUMPTION	PRODUCTION	IMPORTS	EXPORTS*	APPARENT CONSUMPTION	IMPORT % OF APPARENT CONSUMPTION
EPOXY RESIN, TOTAL	35.5	0.9	5.6	30.8	394.6	10.2	67.5	337.3	3.0
POLYESTER (UNSATURATED) RESINS, TOTAL	105.4	0.5	6.8	99.1	1,024.8	4.7	74.9	954.6	0.5
UREA RESINS, TOTAL	134.2	1.3	1.8	133.7	1,081.3	20.7	12.1	1,089.9	1.9
MELAMINE RESINS, TOTAL	18.9	0.4	0.7	18.6	175.6	4.2	9.1	170.7	2.5
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	228.8	2.9	5.9	225.8	2,149.2	28.9	51.0	2,127.1	1.4
THERMOSETTING RESINS, TOTAL	522.8	6.0	20.8	508.0	4,825.5	68.7	214.6	4,679.6	1.5
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	843.5	74.4	81.8	836.1	7,247.5	637.4	765.7	7,119.2	9.0
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	652.8	9.6	126.2	536.2	6,146.6	76.0	837.7	5,384.9	1.4
POLYPROPYLENE, TOTAL	570.3	1.7	114.3	457.7	5,542.6	38.7	1,025.5	4,555.8	0.8
ABS RESINS, TOTAL (ACRYLONITRILE-BUTADIENE-STYRENE)	85.5	5.6	10.7	80.4	999.8	50.2	94.3	955.7	5.3
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	6.7	1.6	4.8	3.5	88.7	4.8	64.5	29.0	16.6
OTHER STYRENICS	95.3	1.7	15.1	81.9	836.4	17.2	147.9	705.7	2.4
POLYSTYRENE RESINS, TOTAL	400.9	6.4	28.7	378.6	3,934.0	50.1	250.9	3,733.2	1.3
NYLON RESINS	40.9	3.8	12.8	31.9	428.8	42.5	138.3	333.0	12.8
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	735.1	5.2	85.4	654.9	6,406.4	43.9	550.6	5,899.7	0.7
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
POLYVINYL ALCOHOL, TOTAL	D(4)	D(4)	D(4)	D(4)	D(4)	D(4)	D(4)	D(4)	D(4)
OTHER VINYL RESINS	16.5	3.8	36.7	(16.4)	167.2	243.2	314.4	96.0	253.3
THERMOPLASTIC POLYESTER, TOTAL	131.0	2.7	- 26.4	107.3	1,209.6	37.6	267.7	979.5	3.8
THERMOPLASTIC RESINS, TOTAL	3,578.5	116.5	542.9	3,152.1	33,007.6	1,241.6	4,457.5	29,791.7	4.2
GRAND TOTAL	4,101.3	122.5	563.7	3,660.1	37,833.1	1,310.3	4,672.1	34,471.3	3.8

(1) = Except phenolic resins which are reported on a gross weight basis.
(4) = The publishing of PVOH data is temporarily suspended.
N/A = Not Available. The publishing of PVac and OSBP is temporarily suspended.
D = Disclosure
R = Revision
Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

Sources: Production - SPI Monthly Statistical Report
Imports - Bureau of the Census (IM 145)
Exports - Bureau of the Census (EM 545)

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

Copyright 1989 The Society of the Plastics Industry, Inc.
All rights reserved. Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.